

Title (en)

SENSOR FOR DETERMINING THE AIR INDUCED BY AN INTERNAL COMBUSTION ENGINE

Title (de)

SENSOR FÜR EINE BRENNKRAFTMASCHINE ZUR BESTIMMUNG DER VON IHR ANGESAUGTEN LUFT

Title (fr)

CAPTEUR POUR LA DETERMINATION DE L'AIR ASPIRE PAR UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1017931 A1 20000712 (DE)

Application

EP 98948795 A 19980814

Priority

- DE 9802354 W 19980814
- DE 19750496 A 19971114

Abstract (en)

[origin: DE19750496A1] The method involves detecting the mass of air using an air mass sensor (10). The air humidity and pressure are detected (20) simultaneously with the mass and evaluated in an evaluation circuit. The humidity and pressure are measured in an induction pipe (30), pref. next to the air mass sensor. The air mass and pressure sensors are micromechanical devices. An Independent claim is also included for a sensor.

IPC 1-7

F02D 41/18; G01F 1/684

IPC 8 full level

G01F 1/68 (2006.01); **F02D 35/00** (2006.01); **F02D 41/18** (2006.01); **F02D 41/24** (2006.01); **F02D 45/00** (2006.01); **G01F 1/684** (2006.01)

CPC (source: EP US)

F02D 41/18 (2013.01 - EP US); **F02D 41/28** (2013.01 - EP US); **G01F 1/6845** (2013.01 - EP US); **F02D 2200/0418** (2013.01 - EP US)

Cited by

DE102016221678A1; DE102016221678B4; US10994330B2; US10994329B2; DE102011089480A1; WO2013091940A1; US9541433B2; DE102010043083A1; WO2012055622A1; US9212938B2; DE102010043062A1; WO2012055621A1; US9279709B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 19750496 A1 19990520; DE 59810415 D1 20040122; EP 1017931 A1 20000712; EP 1017931 B1 20031210; JP 2001509854 A 20010724; RU 2209991 C2 20030810; US 6581447 B1 20030624; WO 9925971 A1 19990527

DOCDB simple family (application)

DE 19750496 A 19971114; DE 59810415 T 19980814; DE 9802354 W 19980814; EP 98948795 A 19980814; JP 52729499 A 19980814; RU 99117543 A 19980814; US 33101699 A 19990615